

Title (en)

AUTOMATIC MOTOR VEHICLE AUXILIARY DRIVE CONTROL

Title (de)

STEUERUNG VON NEBENABTRIEBEN IN AUTOMATISIERTEN FAHRZEUGGETRIEBEN

Title (fr)

COMMANDE DES SORTIES AUXILIAIRES DANS DES BOITES DE VITESSES AUTOMATIQUES DE VEHICULES

Publication

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Application

EP 98913602 A 19980227

Priority

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Abstract (en)

[origin: DE19708929A1] The invention relates to a method for activating auxiliary drives (28) in automated or partially automated gearboxes (6) in commercial vehicles. A signal from the driver corresponding to a desire to activate the auxiliary drive (28) is converted into a signal for opening an automatic clutch (4) between a driving engine (2) and a gearbox (6) in the commercial vehicle. A shifting device (26) connecting the auxiliary drive (28) to a shaft (16,42) driving the auxiliary drive (28) is controlled and shut once a predetermined minimum gearbox (6) drive-shaft (10) rotation speed is obtained. The clutch (4) is also shut once again in order to prevent the teeth (26,52) from the shifting device from remaining in front of each other. Sensors (32,36,40) determine whether the auxiliary drive (28) shifting device (26,52) has fully shifted, whether there is a difference in rotation speed between the drive shaft (16,42) and the driven shaft (30,72) in the auxiliary drive (28) or whether a defined clutch adjustment travel has been exceeded.

IPC 1-7

B60K 17/28

IPC 8 full level

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CPC (source: EP US)

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